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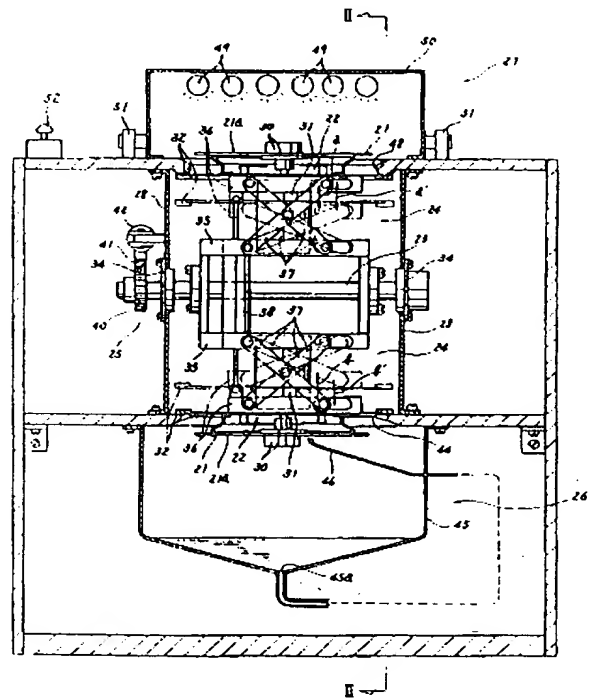
APPLICATION DATE : 27-12-85
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TITLE : SPIN COATER FOR
 ULTRAVIOLET-CURING TYPE RESIN



ABSTRACT : PURPOSE: To make spin coating and resin curing with high efficiency by supporting plural rotating units which are rotationally driven while supporting plural optical disks and conveying the disks between a spin coating unit and resin curing unit.

CONSTITUTION: The optical disk 21 is rotated at a low speed and the resin is sprayed from a nozzle 46 in the stage of forming a protective film consisting of the transparent resin on the recording surface of the optical disk. The disk 21 is thereafter rotated at a high speed and the resin is radially diffused, by which the resin is uniformly spin-coated on the disk. Both the upper and lower rotating units 22 are then drawn out of the tank 45 and the disk is turned upside down by a rotating conveyor unit 25, by which the disk is conveyed to the lower part of the resin curing unit 27 where the recording surface 21a is faced upward. A UV curing lamp 49 is lighted up to uniformly cure the resin while the disk 21 is further rotated at a low speed. The resin curing operation is thus simultaneously executed while the spin coating operation is executed.

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